

S/N 10/084,607
Attorney Ref. No.: 33-858

IN THE CLAIMS:

Please cancel claims 1-11 and 33-56 without prejudice, amend claims 12, 14, 23, 25 and 32 and add new claims 57 and 58 as follows:

Claims 1-11 (Cancelled).

12. (Currently amended) A crash cushion system comprising:

an array of resilient, self-restoring cylinders each having a substantially vertical longitudinal axis and an outer surface comprising a convex shaped curved portion, wherein said array comprises a plurality of said cylinders, and wherein said array of cylinders has a front, a side and a rear, wherein said side is defined at least in part by said curved portions of at least some of said plurality of said cylinders, wherein said outer surface of said corresponding ones of said cylinders each define a perimeter of said corresponding ones of said cylinders; and

at least one deflector skin comprising an inner surface and an outer surface, wherein said inner surface has a concave shaped and having a curved contour shaped to mate with and facing said convex shaped curved portion of said outer surface of at least one of said cylinders forming said side of said array, wherein said at least one deflector skin is mounted to said at least one of said cylinders on said outer surface thereof over at least a portion of said curved portion that defines part of said side of said array, and wherein said at least one deflector skin extends around only a portion of said perimeter of said at least one of said cylinders.

13. (Original) The invention of claim 12 wherein said at least one deflector skin comprises a plurality of deflector skins each comprising an inner surface and an outer surface and having a curved contour shaped to mate with said outer surface of a corresponding one of at least some of said cylinders forming said side of said array,

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wherein each of said plurality of said deflector skins is mounted on said outer surface of said corresponding one of said cylinders over at least a portion of said curved portion of said outer surface that defines part of said side of said array.

14. (Currently Amended) A crash cushion system comprising:

an array of resilient, self-restoring cylinders each having a substantially vertical longitudinal axis and an outer surface comprising a curved portion, wherein said array comprises a plurality of said cylinders, and wherein said array of cylinders has a front, a side and a rear, wherein said side is defined at least in part by said curved portions of at least some of said plurality of said cylinders; and

a plurality of deflector skins each comprising an inner surface and an outer surface and having a curved contour shaped to mate with said outer surface of a corresponding one of at least some of said cylinders forming said side of said array, wherein each of said plurality of said deflector skins is mounted on said outer surface of said corresponding one of said cylinders over at least a portion of said curved portion of said outer surface that defines part of said side of said array, and ~~The invention of claim 13~~ wherein said plurality of deflector skins comprises a plurality of first deflector skins, and further comprising a plurality of second deflector skins each mounted on said outer surface of a corresponding one of said plurality of said first deflector skins.

15. (Original) The invention of claim 14 wherein said each of said plurality of second deflector skins is substantially flat and extends tangentially from said outer surface of said corresponding one of said plurality of said first deflector skins.

16. (Original) The invention of claim 15 wherein each of said corresponding ones of said cylinders comprises an outermost vertically oriented tangent, and wherein said leading edge of each of said plurality of said second deflector skins is

mounted on said first deflector skin forwardly of said tangent on said corresponding one of said cylinders.

17. (Original) The invention of claim 14 wherein said plurality of said second deflector skins each have a leading edge and a trailing edge, wherein said leading edge of each of said plurality of said second deflector skins is secured to said corresponding one of said plurality of said first deflector skins and wherein said trailing edge is a free edge.

18. (Original) The invention of claim 17 wherein said each of said plurality of said first deflector skins has a leading edge and a trailing edge, wherein said leading and trailing edges of each of said plurality of said first deflector skins are secured to said corresponding one of said cylinders.

19. (Original) The invention of claim 14 wherein each of said plurality of said first deflector skins has a first thickness and wherein each of said plurality of said second deflector skins has a second thickness, wherein said second thickness of each of said plurality of said second deflector skins is greater than said thickness of said corresponding one of said plurality of said first deflector skins.

20. (Original) The invention of claim 14 wherein said plurality of said first deflector skins and said plurality of said second deflector skins are made at least in part of metal, and wherein said plurality of cylinders are made at least in part of a polymeric material.

21. (Original) The invention of claim 13 wherein said outer surface of said corresponding ones of said cylinders each define a perimeter of said corresponding ones of said cylinders, wherein said deflector skins each extend around only a portion of said perimeter of said corresponding one of said cylinders.

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22. (Original) The invention of claim 12 wherein said plurality of cylinders are made in part of an elastomeric material.

23. (Presently Amended) A crash cushion system comprising:

an array of resilient, self-restoring cylinders each having a substantially vertical longitudinal axis and an outer surface comprising a curved portion, wherein said array comprises a plurality of said cylinders, and wherein said array of cylinders has a front, a side and a rear, wherein said side is defined at least in part by said curved portions of at least some of said plurality of said cylinders, wherein each of said plurality of said cylinders defining said side comprises an outermost vertically oriented tangent; and

at least one deflector skin mounted on at least one of said plurality of said cylinders forming said side of said array, wherein said deflector skin comprises a leading edge and a trailing edge, wherein said leading edge of said at least one deflector skin is secured to said at least one cylinder forwardly of said tangent on said at least one cylinder, and wherein said trailing edge is positioned rearwardly of said tangent on said at least one cylinder.

24. (Original) The invention of claim 23 wherein said at least one deflector skin comprises a plurality of deflector skins each mounted on a corresponding one of at least some of said cylinders forming said side of said array, wherein each of said plurality of said deflector skins comprises a leading edge and a trailing edge, wherein said leading edge of each of said plurality of said deflector skins is secured to said corresponding one of said cylinders forwardly of said tangent on said corresponding one of said cylinders.

25. (Presently Amended) A crash cushion system comprising:

an array of resilient, self-restoring cylinders each having a substantially vertical longitudinal axis and an outer surface comprising a curved portion, wherein said array comprises a plurality of said cylinders, and wherein said array of cylinders has a front, a side and a rear, wherein said side is defined at least in part by said curved portions of at least some of said plurality of said cylinders, wherein each of said plurality of said cylinders defining said side comprises an outermost vertically oriented tangent; and

a plurality of deflector skins each mounted on a corresponding one of at least some of said cylinders forming said side of said array, wherein each of said plurality of said deflector skins comprises a leading edge and a trailing edge, wherein said leading edge of each of said plurality of said deflector skins is secured to said corresponding one of said cylinders forwardly of said tangent on said corresponding one of said cylinders, and The invention of claim 24 wherein said tangents of said corresponding ones of said cylinders in combination define a substantially vertical plane and wherein each of said plurality of said deflector skins is substantially flat and is oriented in a non-parallel relationship with said vertical plane.

26. (Original) The invention of claim 25 wherein said plurality of said deflector skins comprises a plurality of second deflector skins, and further comprising a plurality of first deflector skins disposed between said corresponding ones of said cylinders and said plurality of said second deflector skins secured thereto.

27. (Original) The invention of claim 26 wherein each of said plurality of said first deflector skins has a curved contour shaped to mate with said curved portion of said outer surface of said corresponding one of said cylinders.

28. (Original) The invention of claim 26 wherein each of said plurality of said first deflector skins has a first thickness and wherein each of said plurality of said

second deflector skins has a second thickness, wherein said second thickness of each of said second deflector skins is greater than said first thickness of a corresponding one of said first deflector skins.

29. (Original) The invention of claim 26 wherein each of said plurality of said first and second deflector skins is made at least in part of metal, and wherein each of said plurality of said cylinders is made at least in part of a polymeric material.

30. (Original) The invention of claim 26 wherein said outer surface of said corresponding ones of said cylinders each define a perimeter of said corresponding ones of said cylinders, wherein said first deflector skins each extend around only a portion of said perimeter of said corresponding one of said cylinders.

31. (Original) The invention of claim 23 wherein each of said plurality of said cylinders is made at least in part of an elastomeric material.

32. (Presently Amended) A crash cushion system comprising:

an array of resilient, self-restoring cylinders each having a substantially vertical longitudinal axis and an outer surface comprising a curved portion, wherein said array comprises a plurality of said cylinders, and wherein said array of cylinders has a front, a side and a rear, wherein said side is defined at least in part by said curved portions of at least some of said plurality of said cylinders, wherein each of said plurality of said cylinders defining said side comprises an outermost vertically oriented tangent; and

a plurality of deflector skins each mounted on a corresponding one of at least some of said cylinders forming said side of said array, wherein each of said plurality of said deflector skins comprises a leading edge and a trailing edge, wherein said leading edge of each of said plurality of said deflector skins is secured to said

corresponding one of said cylinders forwardly of said tangent on said corresponding one of said cylinders, and ~~The invention of claim 23 wherein~~ said trailing edge of each of said plurality of said deflector skins is a free edge, and wherein said free edge of a first one of said plurality of deflector skins extends rearwardly beyond said leading edge of a next adjacent second one of said plurality of said deflector skins positioned rearwardly of said first deflector skin.

Claims 33-56 (Cancelled).

57. (New) A crash cushion system comprising:

an array of resilient, self-restoring cylinders each having a substantially vertical longitudinal axis and an outer surface comprising a convex shaped curved portion, wherein said array comprises a plurality of said cylinders, and wherein said array of cylinders has a front, a side and a rear, wherein said side is defined at least in part by said curved portions of at least some of said plurality of said cylinders; and

at least one deflector skin made at least in part of metal and comprising an inner surface and an outer surface, wherein said inner surface has a concave shaped curved contour shaped to mate with and facing said convex shaped curved portion of said outer surface of at least one of said cylinders forming said side of said array, wherein said at least one deflector skin is mounted to said at least one of said cylinders on said outer surface thereof over at least a portion of said curved portion that defines part of said side of said array.

58. (New) The crash cushion system of claim 12 wherein said inner surface of said at least one deflector skin contacts said outer surface of said at least one of said cylinders.